

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 2, 2011

Rosemary Trimmer, Project Manager
Landau Associates
130 2nd Ave. S.
Edmonds, WA 98020

Dear Ms. Trimmer:

Included are the results from the testing of material submitted on April 25, 2011 from the 1198001.010.012 PO M07054, F&BI 104311 project. There are 7 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Gerald Thompson, Alaskan Copper, Gary Huitsing, Landau
NAA0502R.D●C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/02/11

Date Received: 04/25/11

Project: 1198001.010.012 PO M07054, F&BI 104311

Date Extracted: 04/27/11

Date Analyzed: 04/28/11

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx**

Results Reported as ug/L (ppb)

<u>Sample ID</u>	<u>Diesel Range</u>	<u>Motor Oil Range</u>	<u>Surrogate</u>
Laboratory ID	(C ₁₀ -C ₂₅)	(C ₂₅ -C ₃₆)	(% Recovery) (Limit 51-134)
CB330001 104311-01	330 x	780	82
Method Blank 01-759 MB	<50	<250	89

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CB330001	Client:	Landau Associates
Date Received:	04/25/11	Project:	1198001.010.012 PO M07054, F&BI 104311
Date Extracted:	04/26/11	Lab ID:	104311-01
Date Analyzed:	04/26/11	Data File:	104311-01.023
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower	Upper
Germanium	96	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
Copper	33.5
Zinc	45.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CB331707	Client:	Landau Associates
Date Received:	04/25/11	Project:	1198001.010.012 PO M07054, F&BI 104311
Date Extracted:	04/26/11	Lab ID:	104311-02
Date Analyzed:	04/26/11	Data File:	104311-02.024
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower	Upper
Germanium	101	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
Copper	112
Zinc	565

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Landau Associates
Date Received:	NA	Project:	1198001.010.012 PO M07054, F&BI 104311
Date Extracted:	04/26/11	Lab ID:	I1-290 mb
Date Analyzed:	04/26/11	Data File:	I1-290 mb.016
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower	Upper
Germanium	95	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
Copper	<1
Zinc	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/02/11

Date Received: 04/25/11

Project: 1198001.010.012 PO M07054, F&BI 104311

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	80	87	58-134	8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/02/11

Date Received: 04/25/11

Project: 1198001.010.012 PO M07054, F&BI 104311

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 104313-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Copper	ug/L (ppb)	20	4.98	103	98	50-144	5
Zinc	ug/L (ppb)	50	1,760	176 b	11 b	46-148	176 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Copper	ug/L (ppb)	20	103	66-134
Zinc	ug/L (ppb)	50	109	57-135

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 - More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

104311

LANDAU
ASSOCIATES

- ☒ Seattle/Edmonds (425) 778-0907
☐ Tacoma (253) 926-2493
☐ Spokane (509) 327-9737
☐ Portland (503) 542-1080
☐ _____

Please Bill Alaskan Copper ME 04/25/11
P.O. # M07054

A13

Date 4/25/11

Page 1 of 1

Chain-of-Custody Record

Project Name		Project No.		Testing Parameters		Turnaround Time	
Alaskan Copper		1198001.012 012 reg. sampling				<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Accelerated <input type="checkbox"/> _____	
Project Location/Event		2 Q11 SW Sampling					
Sampler's Name		RWT/GJH					
Project Contact		Joe Kalmar/Gary Huitsing/Jerry Thompson					
Send Results To		Jerry Thompson - Alaskan Copper					
Sample I.D.		Date	Time	Matrix	No. of Containers	Observations/Comments	
C B330001	4/25/11	12:00	H2O	Z	2	X Allow water samples to settle, collect aliquot from clear portion X NWTPH-Dx - run acid wash/silica gel cleanup _____ run samples standardized to _____ product _____ Analyze for EPH if no specific product identified VOC/BTEX/VPH (soil): _____ non-preserved _____ preserved w/methanol _____ preserved w/sodium bisulfate _____ Freeze upon receipt _____ Dissolved metal water samples field filtered Other: _____	
C B331707	↓	11:35	↓	I	1		
Samples received at 2:00							
Special Shipment/Handling or Storage Requirements				Method of Shipment			
cooler on ice				delivered to lab			
Relinquished by		Received by		Relinquished by		Received by	
Rosemary Trimmer		M. W. Phan					
Signature		Signature		Signature		Signature	
Printed Name		Printed Name		Printed Name		Printed Name	
Company		Company		Company		Company	
Date		Date		Date		Date	
Time		Time		Time		Time	
4/25/11		4/25/11					
2:30pm		14:40					

DAILY LOG

COMMENTS, PROBLEMS, & REMARKS (W/O#)

DAY	DATE	TIME	CAUSTIC LEVEL	FLOC. LEVEL	pH READING		pH PAPER		FLOWMETER	CYCLES	TEMP F°			REVETMENT		
					PROCESS MONITOR	OUTPUT MONITOR	PROCESS MONITOR	OUTPUT MONITOR			LARGE TANK	SMALL TANK	DAKITE TANK	LARGE RINSE	LARGE ACID	SMALL TANKS
MONDAY	4/4	7 AM	7.6	15	9.90	9.51	-	-	1646	103	80	101	117			
		3 PM	6.8	10	9.59	9.45	-	-	1408	89	78	115	127			
		11PM	1.6	7	9.70	9.54	-	-	2469	108	82	109	120			
TUESDAY	4/5	7 AM	6.4	7	9.70	9.47	-	-	2469	117	80	109	128			
		3 PM	5.9	4	9.63	9.47	-	-	738	59	83	118	122			
		11PM	5.6	10	10.24	9.51	-	-	1454	91	84	120	117			
WEDNESDAY	4/6	7 AM	5.7	10	9.54	9.54	-	-	1454	98	83	120	126			
		3 PM	4.4	8	9.91	9.72	-	-	918	57	85	118	121			
		11PM	4.4	17	10.33	9.90	-	-	1993	88	87	120	118			
THURSDAY	4/7	7 AM	4.3	17		9.76	-	-	1993	92	84?	120	128			
		3 PM	3.8	16	11.00	9.67	-	-	352	59	85	124	125			
		11PM	3.3	11	10.94	9.46	-	-	1373	122	85	126	119			
FRIDAY	4/8	7 AM	3.4	11	10.54	9.48	-	-	1543	126	83	120	128			
		3 PM	2.3	8	9.83	9.42	-	-	1079	66	85	126	124			
		11PM	2.3	18	9.81	9.44	-	-	1334	107	80	124	120			
SATURDAY	4/9	8:00 AM	2.0	18	13.20	9.43	-	-	1634	110	82	113	101			
		4:00 PM	1.8	16	10.30	9.92	-	-	1247	48	82	115	93			
SUNDAY	4/10															

(b) (6)

DAILY LOG

COMMENTS, PROBLEMS, & REMARKS (W/O#)

DAY	DATE	TIME	CAUSTIC LEVEL	FLOC. LEVEL	pH READING		pH PAPER		FLOWMETER	CYCLES	TEMP F°			REVETMENT		
					PROCESS MONITOR	OUTPUT MONITOR	PROCESS MONITOR	OUTPUT MONITOR			LARGE TANK	SMALL TANK	DAKITE TANK	LARGE RINSE	LARGE ACID	SMALL TANKS
MONDAY	4/11	7 AM	1.5	16	-	-	9.52	9.95	1247	54	75	96	124			20
		3 PM	0.3	14	-	-	9.85	9.45	906	58	78	109	125			
		11 PM	0.2	11	-	-	9.71	9.49	1433	119	80	109	120			
TUESDAY	4/12	7 AM	0.2	10	-	-	9.62	9.49	1625	139	79	110	118			20
		3 PM	2.5	7	-	-	10.70	9.43	1040	75	81	120	129			cleaned Probe
		11 PM	2.3	15	-	-	10.53	9.59	2095	113	83	119	115			
WEDNESDAY	4/13	7 AM	2.0	15	-	-	11.50	9.56	2095	117	82	119	113			20
		3 PM	1.2	10	-	-	9.99	9.56	918	45	84	124	126			
		11 PM	1.0	8	-	-	10.58	9.87	1888	71	86	128	121			
THURSDAY	4/14	7 AM	1.0	8	-	-	9.96	9.81	1888	80	83	119	119			20
		3 PM	31.8	5	-	-	10.24	9.83	798	69	84	124	125			
		11 PM	30.6	12	-	-	10.47	9.71	1788	137	83	117	113			
FRIDAY	4/15	7 AM	31.3	12	-	-	10.18	9.67	1788	143	81	118	118			20
		3 PM	29.9	10	-	-	10.59	9.63	792	26	82	123	127			
		11 PM	29.6	6	-	-	9.85	9.92	1677	55	83	123	117			
SATURDAY	4/16		25.5	6	-	-	10.86	9.86	1677	61	77	123	96			16
			29.2	2	-	-	10.42	9.95	1035	30	80	119	119			
SUNDAY	4/17															

DAILY LOG

COMMENTS, PROBLEMS, & REMARKS (W/O#)

DAY	DATE	TIME	CAUSTIC LEVEL	FLOC. LEVEL	pH READING		pH PAPER		FLOWMETER	CYCLES	TEMP F°			REVETMENT		
					PROCESS MONITOR	OUTPUT MONITOR	PROCESS MONITOR	OUTPUT MONITOR			LARGE TANK	SMALL TANK	DAKITE TANK	LARGE RINSE	LARGE ACID	SMALL TANKS
MONDAY	4/18	7 AM	29.1	2	4.65	9.81	4.35	9.81	1039	37	72	103	131			
		3 PM	24.3	12	10.42	9.85	-	-	760	40	75	113	118			
		11PM	26.5	8	9.61	9.74	-	-	1434	85	77	111	117			
TUESDAY	4/19	7 AM	27.2	8	10.45	9.72	-	-	1434	85	76	111	128			
		3 PM	26.6	5	9.79	9.65	-	-	515	21	79	115	125			
		11PM	25.7	16	9.24	9.72	-	-	1444	59	80	117	121			
WEDNESDAY	4/20	7 AM	26.0	16	8.24	9.69	-	-	1444	62	80	120	129			
		3 PM	25.5	14	9.96	9.56	-	-	510	9	81	121	123			
		11PM	25.3	10	9.57	9.73	-	-	1193	22	83	119	121			
THURSDAY	4/21	7 AM	25.5	10	6.47	9.78	-	-	1193	27	82	120	130			
		3 PM	25.0	8	11.07	9.68	-	-	501	4	83	128	128			
		11PM	24.7	20	9.70	9.78	-	-	1198	20	85	119	116			
FRIDAY	4/22	7 AM	24.9	20	5.88	9.77	-	-	1298	26	83	119	127			
		3 PM	23.8	18	9.88	9.66	-	-	806	18	85	120	123			
		11PM	23.4	13	9.59	9.76	-	-	1760	39	85	121	118			
SATURDAY																
SUNDAY																

FLOC W/NA

DAILY LOG

COMMENTS, PROBLEMS, & REMARKS (W/O#)

DAY	DATE	TIME	CAUSTIC LEVEL	FLOC. LEVEL	pH READING		pH PAPER		FLOWMETER	CYCLES	TEMP F°			REVETMENT		
					PROCESS MONITOR	OUTPUT MONITOR	PROCESS MONITOR	OUTPUT MONITOR			LARGE TANK	SMALL TANK	DAKITE TANK	LARGE RINSE	LARGE ACID	SMALL TANKS
MONDAY	4-25-11	7 AM	23.4	14	9.28	9.70	-	-	1715	44	74	101	131			
		3 PM	22.8	10	9.65	9.77	-	-	108	15	76	116	173			
		11 PM	22.3	21	10.01	10.21	-	-	1206	40	78	113	117			
TUESDAY	4-26-11	7 AM	22.4	21	9.67	10.09	-	-	1206	40	77	113	112			
		3 PM	21.7	18	9.82	9.78	-	-	453	24	79	112	118			
		11 PM	21.8	15	7.00	9.85	-	-	1274	43	82	121	114			
WEDNESDAY	4-27-11	7 AM	21.8	15	6.52	10-	-	-	1274	44	82	122	112			
		3 PM	21.3	13	9.61	10.57	-	-	505	34	82	124	121			
		11 PM	20.0	11	9.93	10.22	-	-	1243	90	83	125	119			
THURSDAY	4-28-11	7 AM	20.0	11	6.42	10.20	-	-	1243	98	82	125	129			
		3 PM	19.4	8	9.68	9.85	-	-	1870	142	83	125	126			
		11 PM	18.8	16	10.53	10.01	-	-	3073	172	84	119	121			
FRIDAY	4-29-11	7 AM	18.8	16	10.60	10.00	-	-	3073	172	83	124	130			
		3 PM	18.2	14	9.51	9.94	-	-	530	24	83	119	129			
		11 PM	17.5	10	10.53	9.95	-	-	1816	65	85	117	112			
SATURDAY	4-30-11	7 AM	17.5	10	4.62	9.95	-	-	1816	69	81	109	99			
		3 PM	16.7	7	11.35	9.81	-	-	688	25	82	127	92			
SUNDAY																

Reset?

$$\begin{array}{r} 21023 \\ 8083 \\ 1243 \\ \hline 1850 \end{array}$$

Red LIGHT AT CLOSING



King County

Wastewater Treatment Division
Industrial Waste Program
Department of Natural Resources and Parks
130 Nickerson Street, Suite 200
Seattle, WA 98109-1658
206-263-3000 Fax 206-263-3001
TTY Relay: 711

ORIGINAL

April 13, 2011

James C. Brown
Alaskan Copper Works - 6th Ave.
P.O. Box 3546
Seattle, WA 98124

Dear Mr. Brown:

Results from King County's recent sampling indicate that wastewater from Alaskan Copper Works - 6th Ave. is in compliance with discharge limits. The results of the sample(s) taken on March 22, 2011 are enclosed.

King County appreciates your compliance. If you have any questions, please call me at 206-263-3008.

Sincerely,

Jim Sifford
Investigator
Industrial Waste Program

Enclosure(s)

Alaskan Copper Works - 6th Ave.

Cyanide

Site # A4010 - sample line connection in pretreatment room
Sample Date 22-Mar-2011
Sample # L52840-1
Sample Code Composite

Discharge Rate NA
Time Span 2.7 Hour(s)
Start Time 1250

Parameters	CAS	Value	Units	Status	Mass Load	Units	Status
Total Cyanide		<MDL	MG/L	Compliance	NA		NA

Field Measurements

Site # A4010 - sample line connection in pretreatment room
Sample Date 22-Mar-2011
Sample # L52840-3
Sample Code Composite

Discharge Rate 1499 GPD
Time Span 23.75 Hour(s)
Start Time 1230

Parameters	CAS	Value	Units	Status	Mass Load	Units	Status
Discharge Rate		1499	GPD	Compliance	NA		NA

Site # A4010 - sample line connection in pretreatment room
Sample Date 22-Mar-2011
Sample # L52840-5
Sample Code Grab

Discharge Rate NA
Time Span NA
Start Time 1250

Parameters	CAS	Value	Units	Status	Mass Load	Units	Status
pH, Field		9.63	SU	Compliance	NA		NA

<MDL=Less than Method Detection Limit; <RDL=Less than Reporting Detection Limit; NA=Not Applicable; H=Sample handling criteria compromised; R=Data judged unusable.
 B=Blank contamination observed; E=Estimated value; TA=Text information available which qualifies data.

Alaskan Copper Works - 6th Ave.
--

Metals

Site #	A4010 - sample line connection in pretreatment room	Discharge Rate	NA
Sample Date	22-Mar-2011	Time Span	23.5 Hour(s)
Sample #	L52840-2	Start Time	1245
Sample Code	Composite		

Parameters	CAS	Value	Units	Status	Mass Load	Units	Status
Arsenic, Total, ICP		<MDL	MG/L	Compliance	NA	LBS/DAY	Compliance
Cadmium, Total, ICP		<MDL	MG/L	Compliance	NA	LBS/DAY	Compliance
Chromium, Total, ICP		.609	MG/L	Compliance	.0076	LBS/DAY	Compliance
Copper, Total, ICP		.446	MG/L	Compliance	.0056	LBS/DAY	Compliance
Lead, Total, ICP		<MDL	MG/L	Compliance	NA	LBS/DAY	Compliance
Nickel, Total, ICP		.68	MG/L	Compliance	.0085	LBS/DAY	Compliance
Silver, Total, ICP		<MDL	MG/L	Compliance	NA	LBS/DAY	Compliance
Zinc, Total, ICP		<RDL	MG/L	Compliance	NA	LBS/DAY	Compliance

Site #	A4010 - sample line connection in pretreatment room	Discharge Rate	NA
Sample Date	22-Mar-2011	Time Span	NA
Sample #	L52840-4	Start Time	1245
Sample Code	Grab		

Parameters	CAS	Value	Units	Status	Mass Load	Units	Status
Arsenic, Total, ICP		<MDL	MG/L	Compliance	NA		NA
Cadmium, Total, ICP		<MDL	MG/L	Compliance	NA		NA
Chromium, Total, ICP		.154	MG/L	Compliance	NA		NA
Copper, Total, ICP		.129	MG/L	Compliance	NA		NA
Lead, Total, ICP		<MDL	MG/L	Compliance	NA		NA
Nickel, Total, ICP		.155	MG/L	Compliance	NA		NA
Silver, Total, ICP		<MDL	MG/L	Compliance	NA		NA
Zinc, Total, ICP		<MDL	MG/L	Compliance	NA		NA

<MDL=Less than Method Detection Limit; <RDL=Less than Reporting Detection Limit; NA=Not Applicable; H=Sample handling criteria compromised; R=Data judged unusable.
 B=Blank contamination observed; E=Estimated value; TA=Text information available which qualifies data.

Alaskan Copper Works - 6th Ave.
--

Organics

Parameters	CAS	Value	Units	Status	Mass Load	Units	Status
Total Toxic Organics(*)		<MDL	0	MG/L	Compliance	NA	NA

(*)The total toxic organics value is the summation of all quantifiable values greater than 10 ppb for the organic compounds on the federal total toxic organics listing. See table(s) below for details.

Organics - VOA

Parameters	CAS	Value	Units	Status	Mass Load	Units	Status
Total Toxic Organics VOA		<MDL	0	UG/L	NA	NA	NA

Site #	A4010 - sample line connection in pretreatment room	Discharge Rate	NA
Sample Date	22-Mar-2011	Time Span	2.7 Hour(s)
Sample #	L52840-6	Start Time	1250
Sample Code	Composite		

Parameters	CAS	Value	Units	Status	Mass Load	Units	Status
1,1,1-Trichloroethane	71-55-6	<MDL	UG/L	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	79-34-5	<MDL	UG/L	NA	NA	NA	NA
1,1,2-Trichloroethane	79-00-5	<MDL	UG/L	NA	NA	NA	NA
1,1,2-Trichloroethylene	79-01-6	<MDL	UG/L	NA	NA	NA	NA
1,1-Dichloroethane	75-34-3	<MDL	UG/L	NA	NA	NA	NA
1,1-Dichloroethylene	75-35-4	<MDL	UG/L	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	<MDL	UG/L	NA	NA	NA	NA
1,2-Dichloroethane	107-06-2	<MDL	UG/L	NA	NA	NA	NA
1,2-Dichloropropane	78-87-5	<MDL	UG/L	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	<MDL	UG/L	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	<MDL	UG/L	NA	NA	NA	NA
2-Chloroethylvinyl ether	110-75-8	<MDL	UG/L	NA	NA	NA	NA
Acrolein	107-02-8	<MDL	UG/L	NA	NA	NA	NA
Acrylonitrile	107-13-1	<MDL	UG/L	NA	NA	NA	NA
Benzene	71-43-2	<MDL	UG/L	NA	NA	NA	NA
Bromodichloromethane	75-27-4	<MDL	UG/L	NA	NA	NA	NA
Bromoform	75-25-2	<MDL	UG/L	NA	NA	NA	NA
Bromomethane	74-83-9	<MDL	UG/L	NA	NA	NA	NA
Carbon Tetrachloride	56-23-5	<MDL	UG/L	NA	NA	NA	NA
Chlorobenzene	108-90-7	<MDL	UG/L	NA	NA	NA	NA
Chlorodibromomethane	124-48-1	<MDL	UG/L	NA	NA	NA	NA
Chloroethane	75-00-3	<MDL	UG/L	NA	NA	NA	NA
Chloroform	67-66-3	<MDL	UG/L	NA	NA	NA	NA
Chloromethane	74-87-3	<MDL	UG/L	NA	NA	NA	NA
Cis-1,3-Dichloropropene	10061-01-5	<MDL	UG/L	NA	NA	NA	NA
Ethylbenzene	100-41-4	<MDL	UG/L	NA	NA	NA	NA
Methylene Chloride	75-09-2	<MDL	UG/L	NA	NA	NA	NA
Tetrachloroethylene	127-18-4	<MDL	UG/L	NA	NA	NA	NA
Toluene	108-88-3	<MDL	UG/L	NA	NA	NA	NA
Trans-1,3-Dichloropropene	10061-02-6	<MDL	UG/L	NA	NA	NA	NA
Trichlorofluoromethane	75-69-4	<MDL	UG/L	NA	NA	NA	NA
Vinyl Chloride	75-01-4	<MDL	UG/L	NA	NA	NA	NA

<MDL=Less than Method Detection Limit; <RDL=Less than Reporting Detection Limit; NA=Not Applicable; H=Sample handling criteria compromised; R=Data judged unusable.
B=Blank contamination observed; E=Estimated value; TA=Text information available which qualifies data.



King County

Wastewater Treatment Division

Industrial Waste Program

Department of Natural Resources and Parks

130 Nickerson Street, Suite 200

Seattle, WA 98109-1658

206-263-3000 Fax 206-263-3001

TTY Relay: 711

April 14, 2011

James C. Brown
Alaskan Copper Works - 6th Ave.
P.O. Box 3546
Seattle, WA 98124

Dear Mr. Brown:

Congratulations! The King County Industrial Waste Program is pleased to present you with the enclosed Gold Award. This Gold Award recognizes your company's perfect compliance with the terms and conditions of your industrial wastewater discharge permit for 2010.

If you have questions regarding the Industrial Waste Rewards and Recognition Program, please call Kristin Painter at 206-263-3002 or e-mail her at kristin.painter@kingcounty.gov.

King County Industrial Waste understands the challenges associated with maintaining compliance and appreciates your ongoing efforts. Again, Congratulations!

Sincerely,

Despina Strong
Program Manager

Enclosure

cc: Jim Sifford, Industrial Waste Program